

Title (en)
CLOSED-DECK CYLINDER BLOCK FOR WATER-COOLED INTERNAL COMBUSTION ENGINE

Publication
EP 0184425 A3 19870506 (EN)

Application
EP 85308783 A 19851203

Priority
• JP 25529984 A 19841203
• JP 25815284 A 19841206

Abstract (en)
[origin: EP0184425A2] A closed-deck cylinder block of a light alloy such as an aluminum alloy for use in a water-cooled internal combustion engine includes a cylinder-defining portion (1) having a plurality of cylinder bores (3) defined therein, and a crankcase-defining portion (2) integral with the cylinder-defining portion. The cylinder-defining portion includes a water jacket (6) extending substantially the entire length of each of the cylinder bores and defined by an inner side wall (11), and outer side wall (12) spaced therefrom, and a bottom wall (10) interconnecting the inner and outer side walls. The bottom wall has a wall thickness (db) substantially equal to at least one of the wall thicknesses (do, di) of the inner and outer side walls. The wall thicknesses of the inner and outer side walls are substantially equal to each other.

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F02F 7/00

IPC 8 full level
F02F 1/10 (2006.01); **F02B 75/18** (2006.01)

CPC (source: EP US)
F02F 1/102 (2013.01 - EP US); **F02F 1/108** (2013.01 - EP US); **F02F 1/16** (2013.01 - EP US); **F02B 2075/1816** (2013.01 - EP US); **F02F 2001/104** (2013.01 - EP US); **F02F 2001/106** (2013.01 - EP US); **F05C 2201/021** (2013.01 - EP US)

Citation (search report)
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• [Y] US 4419801 A 19831213 - YAMASHITA HAJIME [JP], et al
• [A] US 2734497 A 19560214
• [A] FR 1340869 A 19631025 - WILLYS MOTORS

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EP0695866A1

Designated contracting state (EPC)
DE FR GB

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EP 0184425 A2 19860611; **EP 0184425 A3 19870506**; CA 1324298 C 19931116; US 4686943 A 19870818

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